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Special Provision for Coarse Aggregate for Bituminous Courses

September 22, 2000

This special provision was developed by the Bureau of Materials and Physical Research in order to clarify Coarse Aggregate use after the implementation of Superpave and the new F mixes. This special provision has been revised in order to make minor corrections and clarifications.

This special provision should be inserted into all contracts using Bituminous Courses.

The districts should include the BDE Check Sheet with the applicable BDE Special Provisions marked for the January 19,2001 letting and for subsequent lettings and the Project Development and Implementation Section will include the paper copy in the contract.

This special provision will be transferred through the E-mail System to the district offices on September 22, 2000.

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COARSE AGGREGATE FOR BITUMINOUS COURSES (BDE)

Effective: November 1, 2000

Revised: January 1, 2001

Replace Article 1004.03(a) of the Standard Specifications with the following:

(a) Description. The coarse aggregate for bituminous courses shall be according to the following table.

Class	Mixture	Aggregates Allowed
A	Seal or Cover	Gravel Crushed Gravel Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
B		Gravel Crushed Gravel Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete
I And Superpave	A or B and IL-25.0 or IL-19.0 Binder	Crushed Gravel Crushed Stone Crushed Sandstone Crushed Slag (ACBF)
I And Superpave	C Surface	Crushed Gravel Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag except when used as leveling binder Gravel – only when used in Class I Type 3CL or Superpave IL-9.5L

Class	Mixture	Aggregates Allowed
I and Superpave	D Surface	<p>Crushed Gravel Crushed Stone (other than Limestone) Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag</p> <p>Limestone may be used in Mixture D if blended by volume in the following coarse aggregate percentages:</p> <ul style="list-style-type: none"> Up to 25% Limestone with at least 75% Dolomite Up to 50% Limestone with at least 50% any aggregate listed for Mixture D except Dolomite Up to 75% Limestone with at least 25% Crushed Slag (ACBF) or Crushed Sandstone
I and Superpave	E Surface	<p>Crushed Gravel Crushed Stone (other than Limestone and Dolomite) Crushed Sandstone</p> <p>No Limestone.</p> <p>Dolomite may be used in Mixture E if blended by volume in the following coarse aggregate percentages:</p> <ul style="list-style-type: none"> Up to 75% Dolomite with at least 25% Crushed Sandstone, Crushed Slag (ACBF), or Crushed Steel Slag. When Crushed Slag (ACBF) or Crushed Steel Slag are used in the blend, the blend shall contain a minimum of 25% to a maximum of 75% of either Slag by volume. Up to 50% Dolomite with at least 50% of any aggregate listed for Mixture E. <p>If required to meet design criteria, Crushed Gravel or Crushed Stone (other than Limestone or Dolomite) may be blended by volume in the following coarse aggregate percentages:</p> <ul style="list-style-type: none"> Up to 75% Crushed Gravel or Crushed Stone (other than Limestone or Dolomite) with at least 25% Crushed Sandstone, Crushed Slag (ACBF), or Crushed Steel Slag. When Crushed Slag (ACBF) or Crushed Steel Slag are used in the blend, the blend shall contain a minimum of 25% to a maximum of 50% of either Slag by volume.

Class	Mixture	Aggregates Allowed
I and Superpave	F Surface	<p>Crushed Sandstone</p> <p>No Limestone.</p> <p>Crushed Gravel or Crushed Stone (except Limestone) may be used in Mixture F if blended by volume in the following coarse aggregate percentages:</p> <ul style="list-style-type: none"> Up to 50% Crushed Gravel or Crushed Stone with at least 50% Crushed Sandstone, Crushed Slag (ACBF), or Crushed Steel Slag. When Crushed Slag (ACBF) or Crushed Steel Slag are used in the blend, the blend shall contain a minimum of 50% to a maximum of 75% of either Slag by volume

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